AMENDMENTS TO THE CLAIMS

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1. (Previously presented) Organic electroluminescent device comprising anode, cathode and at least one emission layer comprising at least one matrix material A which is doped with at least one phosphorescent emitter, and at least one hole-blocking layer comprising at least one hole-blocking material B, with the proviso that the matrix material A is not identical with the hole-blocking material B, wherein the hole blocking material B conforms to the formulae (1) to (4) according to scheme 1

Scheme 1

wherein

Y is, identically or differently on each occurrence, C or S in the formula (2) and P in the formulae (1) and (3) and S in the formulae (4);

X is on each occurrence, identically or differently, NR⁴, O or S;

R¹, R² and R³ is, identically or differently on each occurrence, H, F, CN, N(R⁴)₂, a straight-chain, branched or cyclic alkyl, alkoxy or thioalkoxy group having 1 to 40 C atoms, which may be substituted by R⁵ or also unsubstituted, in which one or more non-adjacent CH₂ groups may be replaced by -R⁶C=CR⁶-, -C=C-, Si(R⁶)₂, C=O, C=S, C=Se, C=NR⁶, -O-, -S-, -NR⁶- or -CONR⁶- and in which one or more H atoms may be replaced by F, Cl, Br, I, CN or NO₂, or an aromatic or heteroaromatic ring system or an aryloxy or heteroaryloxy group having 1 to 40 aromatic C atoms, which may be substituted by one or more radicals R⁵; a plurality of substituents R¹, R² and/or R³ here may form a mono- or polycyclic, aliphatic or aromatic ring system with one another; or an aromatic or heteroaromatic ring system bonded via a divalent group -Z-, or an aryloxy or heteroaryloxy group, each having 1 to 40 aromatic C atoms, in which one or more H atoms may be replaced by F, Cl, Br or I or which may be substituted by one or more non-aromatic radicals R⁴, where a plurality of substituents R⁴ may define a further mono-or polycyclic, aliphatic or aromatic ring system;

 R^4 is on each occurrence, identically or differently, a straight-chain, branched or cyclic alkyl or alkoxy chain having 1 to 22 C atoms, in which, in addition, one or more non-adjacent C atoms may be replaced by $-R^6C=CR^6-$, $-C\equiv C-$, $Si(R^6)_2$, $-NR^6-$, -O-, -S-, -CO-O- or

-O-CO-O- and in which one or more H atoms may be replaced by fluorine, an aryl, heteroaryl or aryloxy group having 1 to 40 C atoms, which may also be substituted by one or more radicals R^6 , or OH or $N(R^5)_2$;

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 R^5 is on each occurrence, identically or differently, R^4 or CN, $B(R^6)_2$ or $Si(R^6)_3$; R^6 is on each occurrence, identically or differently, H or an aliphatic or aromatic hydrocarbon radical having 1 to 20 C atoms;

Is a straight-chain, branched or cyclic, preferably conjugated radical having 1 to 40 C atoms, which is preferably conjugated with the two other substituents, where the number of atoms of Z which link the group of the formula (1) and the aromatic radical is preferably an even number, where one or more non-adjacent C atoms may be replaced by -O-, -S- or -NR¹- and one or more C atoms may be substituted by a radical R¹ or halogen; and with the proviso that the molecular weight of the hole-blocking material B is greater than 150 g/mol.

2. (Cancelled)

- 3. (Previously presented) Organic electroluminescent device according to claim 1, wherein Y = C, P or S, and X = O.
- 4. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that the hole-blocking layer comprises at least 50% of the hole-blocking material B.
- 5. (Original) Organic electroluminescent device according to Claim 4, characterised in that the hole-blocking layer consists only of the hole-blocking material B.
- 6. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that the compounds of the hole-blocking material B do not have a planar structure.
- 7. (Previously presented) Organic electroluminescent device according to claim 2 claim 1 characterised in that at least one of the substituents R^1 to R^4 in the hole-blocking material B contains at least one sp³-hybridised carbon atom.

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8. (Original) Organic electroluminescent device according to Claim 7, characterised in that the sp³-hybridised carbon atom is a secondary, tertiary or quaternary carbon atom.

- 9. (Original) Organic electroluminescent device according to Claim 8, characterised in that the sp³-hybridised carbon atom is a quaternary carbon atom.
- 10. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that a 9,9'-spirobifluorene derivative, a 9,9-disubstituted fluorene derivative, an indenofluorene derivative, a triptycene derivative, 9,10-dihydrophenanthrene derivative, a hexaarylbenzene derivative or a tetraarylmethane derivative is present in at least one of the radicals R^1 to R^4 .
- 11. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that a 9,9'-spirobifluorene derivative or a 9,9-disubstituted fluorene is present in at least one of the radicals R^1 to R^4 .
- 12. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that the matrix materials A are selected from the group of carbazoles, silanes, polypodal metal complexes, oligophenylenes based on spirobifluorenes, ketones, imines, phosphine oxides, phosphine sulfides, phosphine selenides, phosphazenes, sulfones and sulfoxides.
- 13. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that the hole-blocking layer is directly adjacent to the electron-injection layer or cathode.
- 14. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that the phosphorescent emitter present is a compound which contains at least one atom having an atomic number of greater than 36 and less than 84.
- 15. (Original) Organic electroluminescent device according to Claim 14, characterised in that the phosphorescent emitter contains at least one atom having an atomic number of greater than 56 and less than 80.

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16. (Previously presented) Organic electroluminescent device according to Claim 14, characterised in that the phosphorescent emitter contains molybdenum, tungsten, rhenium, ruthenium, osmium, rhodium, iridium, palladium, platinum, silver, gold and/or europium.

- 17. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that the glass transition temperature T_g of the hole-blocking material B is greater than 100° C.
- 18. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that one or more layers are produced by a sublimation process.
- 19. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that one or more layers are applied by the OVPD (organic vapour phase deposition) process.
- 20. (Previously presented) Organic electroluminescent device according to claim 1, characterised in that one or more layers are coated by a printing process.
- 21. (Original) Organic electroluminescent device according to Claim 20, characterised in that one or more layers are coated by the ink-jet printing process.
- 22. (Original) Organic electroluminescent device according to Claim 20, characterised in that one or more layers are coated by the LITI (light induced thermal imaging) process.
- 23. (Cancelled)
- 24. (Cancelled)
- 25. (Previously presented) The organic electroluminescent device as claimed in claim 1, where X has at least one non-bonding electron pair and where the radical X stands for NR⁴, O, or

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S, and R⁴ stands for an organic radical having 1 to 22 carbon atoms and where the radical Y stands for C or P.

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- 26. (Previously presented) A hole-blocking material in an electronic component which comprises the device as claimed in claim 25.
- 27. (Previously presented) An organic light-emitting diode, organic solar cell, organic field-effect transistor, organic thin-film transistor, organic integrated circuit or organic laser diode which comprises the hole-blocking material as claimed in claim 26.
- 28. (New) An organic solar cell, an organic field-effect transistor, an organic thin-film transistor, an organic integrated circuit or an organic laser diode which comprises the organic electroluminescent device according to claim 1.